

Syddansk Universitet

Blended CBT versus face-to-face CBT

Mathiasen, Kim; Riper, Helene; Andersen, Tonny Elmo; Kleiboer, A.M.; Roessler, Kirsten Kaya

Publication date:
2016

Document version
Other version

Citation for published version (APA):

Mathiasen, K., Riper, H., Andersen, T. E., Kleiboer, A. M., & Roessler, K. K. (2016). Blended CBT versus face-to-face CBT: a randomized non-inferiority trial. Poster session presented at European Society for research on internet interventions, Bergen, Norway.

General rights

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
- You may freely distribute the URL identifying the publication in the public portal ?

Take down policy

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

Blended CBT versus face-to-face CBT: A randomised non-inferiority trial

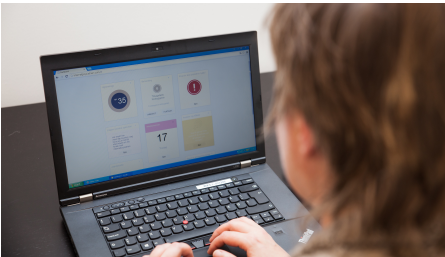
K. Mathiasen^{1,2}, Prof. H. Riper³, Dr. T.E. Andersen¹, Dr. A.M. Kleiboer³, Prof. K.K. Roessler¹

1) Dept. of Psychology, University of Southern Denmark. 2) Centre for Telepsychiatry, Mental Health Services of Southern Denmark. 3) Dept. of Clinical Psychology, VU University of Amsterdam.

Background

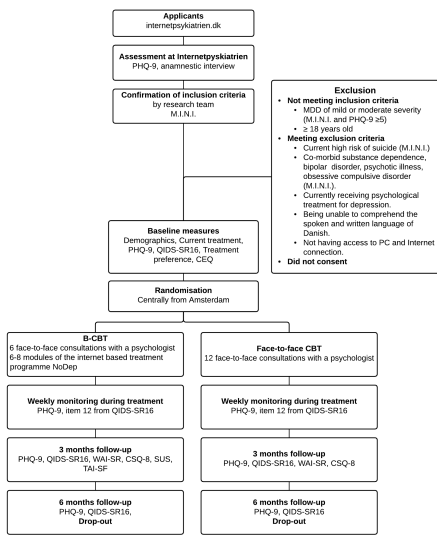
Depression is a prevalent and disabling disorder with high risk of relapse and great costs to the individual and to society^{1,2}. Effective treatments exist, but there is a large gap between need and use of treatments³. One important contribution to bridge this gap comes from Internet based guided self-help (iCBT). In spite of its success, however, there is a need for increased therapist contact for some patient groups^{4,5,6}.

Combining iCBT with traditional face-to-face (ftf) consultations in a blended CBT format (B-CBT), in which both online modules and face-to-face consultations are combined in one coherent treatment manual may alleviate some of the difficulties associated with iCBT (such as lack of clinician contact), while still preserving some of the advantages of iCBT and ftf CBT alike.



Aim

The primary aim of the present study is to compare the clinical effectiveness of blended cognitive behavioural therapy (B-CBT) for major depressive disorder (MDD) in adults with treatment as usual (TAU) defined as twelve sessions of face-to-face CBT. It is hypothesised that B-CBT will be as clinically effective as TAU, and that it will be acceptable and satisfactory to patients and clinicians.



Methods

The study is designed as a two arm randomised non-inferiority trial comparing B-CBT for adult depression to treatment as usual (TAU). The present trial is affiliated to the EU-study E-COMPARED.

All participants must be 18 years of age or older and meet the diagnostic criteria for major depressive disorder (DSM-IV) and score 5 or higher on the Patient Health Questionnaire-9 (PHQ-9).

Participants are recruited from the Centre for TelePsychiatry in specialised mental healthcare at the Mental Health Services of the Region of Southern Denmark.

The primary outcome is analysed by regressing the 6-month follow-up PHQ-9 data on the baseline PHQ-9 score and a treatment group indicator. We will use an ancova model for this purpose. Missing values are handled using a full-information maximum likelihood estimator. In case of dropout, we will use the last observed values in a supplementary intention-to-treat analysis. Missingness sensitivity will be assessed with a best-/worst-case comparison, where missing values are replaced with the minimum and maximum values observed at follow-up.

Why B-CBT?

Prominently, by providing ftf sessions, the therapist can individualise the therapy. Secondly, since B-CBT only provides half the number of ftf sessions as traditional CBT, the capacity of the treating clinician is increased. Additionally, the burden and cost of travel by the patient is reduced. Thirdly, the online modules are available at the time and place needed by the patients - and they can be reviewed multiple times. Fourthly, the inherently structured format of the online modules secures equity of treatment to all patients. Finally, a principal barrier for the uptake of iCBT seems to be skepticism from clinicians⁷, a barrier possibly alleviated by the blended format.

Few studies have investigated the use of blended care combining internet based psychotherapeutic modules and face-to-face sessions into one coherent treatment manual. Generally, however, they do indicate positive outcomes.

Interventions

Session number	Format of delivery	Content	Example of exercise
B-CBT			
1	F2F	Introduction and psychoeducation about depression and the treatment	Find a helper
2	Online module	Introduction to the programme, psychoeducation about depression, and goals for the treatment	Problem- goal list
3	F2F	Idiosyncratic model of the disorder	Cognitive case formulation
4	Online module	Psychoeducation about behaviour in depression	Activity registration
5	F2F	Accordance between personal values and behaviour: Introduction to cognitive restructuring.	Simple exercise for cognitive restructuring
6	Online module	Changing behaviour based on activity registration and personal values	Activity planning
7	F2F	Psychoeducation about negative automatic thoughts and cognitive restructuring.	Cognitive restructuring exercise
8	Online module	Psychoeducation about negative automatic thoughts and cognitive restructuring.	Cognitive restructuring exercise
9	F2F	Psychoeducation about behavioural experiments: Decision is made whether to include one or both of the extra modules	Behavioural experiment
10	Online module (A, B)	Behavioural experiments: (A: Psychoeducation about core beliefs, B: coping with rumination)	Behavioural experiment (A: challenge core beliefs, B: test three techniques for coping with rumination)
11	F2F	Summing up, relapse prevention	Continuation of preferred exercises
12	Online module	Summing up, relapse prevention	Personal relapse prevention plan
TAU			
1	F2F	Introduction and psychoeducation about depression and the treatment	Find a helper
2	F2F	Psychoeducation and goals for the treatment	Problem- goal list
3	F2F	Idiosyncratic model of the disorder	Cognitive case formulation
4	F2F	Psychoeducation about behaviour in depression	Activity registration
5	F2F	Accordance between personal values and behaviour: Introduction to cognitive restructuring.	Simple exercise for cognitive restructuring
6	F2F	Changing behaviour based on activity registration and personal values	Activity planning
7	F2F	Psychoeducation about negative automatic thoughts and cognitive restructuring.	Cognitive restructuring exercise
8	F2F	Psychoeducation about negative automatic thoughts and cognitive restructuring.	Cognitive restructuring exercise
9	F2F	Psychoeducation about behavioural experiments.	Behavioural experiment
10	F2F	Psychoeducation about core beliefs or continue working on behavioural experiments	Challenge core beliefs or behavioural experiment
11	F2F	Psychoeducation about rumination or beginning of relapse prevention	Test three techniques to cope with rumination or start personal relapse prevention plan and continuation of preferred exercise
12	F2F	Summing up, relapse prevention	Personal relapse prevention plan

Discussion

It is a strength of the present study, that the treatments in the two conditions have similar therapeutic content given that both treatments are captured in one coherent treatment manual detailing each intervention. Consequently, the study will reveal a very direct comparison with a minimum of the variance explained by differences in therapeutic methods. The study is limited, however, by the fact that even though it is situated in specialised mental health care, patients are recruited from a clinic offering self-referral. Consequently, the results may be hard to generalise with regards to future implementation.



Contact

Kim Mathiasen
University of Southern Denmark
Email: kmathiasen@health.sdu.dk
Website: SDU.dk
Phone: +45 61 67 77 47



References

- Alonso J, Angermeyer MC, Bernert S, Bruffaerts R, Brugha TS, Bryson H, et al. Prevalence of mental disorders in Europe: results from the European Study of the Epidemiology of Mental Disorders (ESEMeD) project. *Acta Psychiatr Scand* [Internet]. 2004;109(Suppl420):21-7.
- WHO. World Health Organization. The Global Burden of Disease: 2004 update. 2004 Update [Internet]. 2008;146.
- Alonso J, Codony M, Kovess V, Angermeyer MC, Katz SJ, Haro JM, et al. Population level of unmet need for mental healthcare in Europe. *Br J Psychiatry* [Internet]. 2007;190(4):299-306.
- Knowles SE, Toms G, Sanders C, Bee R, Lovell K, Rennick-Egglestone S, et al. Qualitative meta-synthesis of user experience of computerised therapy for depression and anxiety. *PLoS One* [Internet]. 2014;9(1).
- Rozental A, Boettcher J, Andersson G, Schmidt B, Carlbring P. Negative Effects of Internet Interventions: A Qualitative Content Analysis of Patients' Experiences with Treatments Delivered Online. *Cogn Behav Ther*. 2015;44(3):223-36.
- Mathiasen K, Riper H, Ehlers LH, Valentin JB, Rosenberg MK. Internet-based CBT for social phobia and panic disorder in a specialised anxiety clinic in routine care: Results of a pilot randomised controlled trial. *Internet Interv* [Internet]. 2016;4:92-8.
- Waller R, Gilbody S. Barriers to the uptake of computerized cognitive behavioural therapy: A systematic review of the quantitative and qualitative evidence. *Psychol Med* [Internet]. 2009;39(5):705-12.